

UNCERTAINTY DETERMINATION FORM

Location

Meter ID: _____ Nearest City: _____

Meter Elevation: _____ feet msl

Primary Device

Pipe ID: _____ inches

Type: ☐ Orifice Orifice Bore: _____ inches

☐ Wafer V-Cone Beta Ratio: _____ Cd: _____

Static Pressure: ☐ Upstream ☐ Downstream

Secondary Device

☐ Self-contained Make/Model: _____

☐ Component:

DP device Make/Model: _____

SP device Make/Model: _____

Temp Device Make/Model: _____

Flow Computer Make/Model: _____

	DP (inches)	SP <input type="checkbox"/> psia <input type="checkbox"/> psig	Temp (°F)
Upper Range Limit (URL)			
Calibrated Span			

Is there an RTD, and is it used in the flow calculations? ☐ Yes ☐ No

Location: ☐ Outside, in direct sunlight ☐ Outside, shaded from sunlight

☐ Inside unheated meter house ☐ Inside heated meter house

☐ Inside a temperature-controlled building

Calibration

Calibration Frequency: ☐ monthly ☐ every 2 months ☐ quarterly
 ☐ every 4 months ☐ semi-annual ☐ annual

If SP is absolute pressure, is a barometer used to calibrate the “zero”?

☐ Yes ☐ No, fixed atmospheric pressure is: _____ psi

Was the DP re-zeroed with full static pressure applied? ☐ Yes ☐ No

Calibration Equipment:

	DP	SP
Make/Model		
Range		
Accuracy		

Other Information

Flowing Temperature: _____ °F

If SP is gauge, what value is used for the fixed atmospheric pressure? _____ psi

Relative Density: _____ % CO2: _____ %N2: _____

If there is no RTD, or the RTD is not used in the flow calculations, what is the fixed value for flowing temperature? _____ °F

Uncertainty Determination

DP = _____ inches SP = _____ ☐ psia ☐ psig

Flow rate = _____ Mcf/day

Uncertainty (from calculator): _____ %

Operating Limits

Reynolds number (non-orifice only): _____ ☐ Within ☐ Outside

DP/SP : _____ ☐ Within ☐ Outside

Inspector: _____ Date: _____